

**AMENDMENT**

In the claims:

1. (Currently Amended) Method for the determination of latent phospholipid hydroperoxide glutathione peroxidase (PHGPx) comprising the steps of
  - a. obtaining a sperm sample,
  - b. solubilizing the spermatozoa by ~~using adding~~ detergents and chaotropic agents and reactivating latent PHGPx by ~~using high concentrations of adding~~ thiols and,
  - c. ~~removing the chaotropic agents and reactivating thiols from the sample and,~~
  - d. determining ~~enzymatic activity~~ the content of the ~~reactivated solubilized~~ latent PHGPx.
2. (Cancelled)
3. (Currently Amended) Method according to claim 2 1, wherein ~~said additional step of removing any removal of the chaotropic agents and reactivating reagents thiols~~ is performed by gel filtration.
4. (Currently Amended) Method according to claim 1, wherein ~~instead of determining enzymatic activity of re-activated latent PHGPx~~ the content of solubilized PHGPx is determined by conventional immunological techniques or measurement of enzymatic activity.
5. (Previously Amended) Method according to claim 1, wherein the chaotropic agent is 4 – 8 M guanidine chloride, 4 – 8 M guanidine thiocyanate or 5 – 8 M urea.
6. (Previously Amended) Method according to claim 1, wherein the thiol is 50 – 300 mM 2-mercaptoethanol, 25 – 300 mM dithiothreitol (DTT) or dithioerythritol (DTE).
7. (Previously Amended) Method according to claim 1, wherein the sperm sample is from humans or livestock.

8. (Currently Amended) ~~Use of a method~~ Method of claim 1, ~~in a method for predicting wherein the content of solubilized PHGPx predicts~~ the fertilizing potential of spermatozoa in sperm samples.